

Appl. No. 10/688,277  
Amendment dated July 24, 2006  
Reply to Office Action of March 22, 2006

274.43266PX1

### **AMENDMENTS TO THE DRAWINGS**

The attached sheet of drawing includes changes to Figs. 12A and 12B. The attached sheet which includes Figs. 12A and 12B, replaces the original sheet of the same Figs.

Attachments:        Replacement Sheet  
                         Annotated sheet (showing changes)

**REMARKS / ARGUMENTS**

Claims 1-12, 14, 15, 17-19, 21, 22 and 24 remain pending in this application. Claims 13, 16, 20 and 23 have been canceled without prejudice or disclaimer. No new claims have been added.

**Claim Objections and Rejections Under 35 U.S.C. §112**

Claims 3 and 6 have been amended as required by the Examiner. In addition, claims 1 and 4 have been amended to clarify that time consistency is also maintained between volumes.

**Drawings**

Applicants have provided Replacement sheets of drawings for Figs. 12A and 12B. In both Figs. 12A and 12B, the word "pare" has been changed to --pair-- for correcting inadvertent errors. Acceptance of the proposed drawing changes is respectfully requested.

**35 U.S.C. §103**

Claims 3, 6, 12, 18, 21 and 24 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Kazar et al (U.S. Patent No. 6,868,417) in view of Black (U.S. Patent No. 6,978,324). Claims 7-11, 13-17, 19-20 and 22-23 stand rejected

under 35 U.S.C. §103(a) as being unpatentable over Kazar et al in view of Black and further in view of Bachmat (U.S. Patent No. 6,272,571). These rejections are traversed as follows.

The claims have been amended to recite that upon receiving a split command directed to one of two volumes, handling either block-level I/O or file-level I/O requests, split processing is performed to both volumes handling both types of requests. The Examiner's attention is directed by way of example only to Figure 11 and paragraph 69 of the present application.

According to the present invention, the storage system has a consistency group including both a SAN volume and a NAS volume. When a split command is received and directed to one of these volumes, split processing is performed on both of these volumes. For example, if a host system that is connected to a LAN and only knows about a NAS volume pair, if a SAN volume pair is in a consistency group with the NAS volume pair, then split processing can be performed on both volume pairs without the host system knowing about the SAN volume pair.

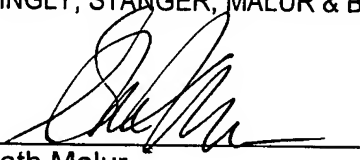
None of the cited references disclose these features of the presently claimed invention. In particular, none of the references disclose or suggest providing NAS volumes and SAN volumes in a consistency group such that when a split command is directed to one type of volume, split processing is performed for both types of volumes that are within the consistency group. As such, it is submitted that the pending claims patentably define the present invention over the cited art.

**Conclusion**

In view of the foregoing, Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By   
Shrinath Malur  
Reg. No. 34,663  
(703) 684-1120

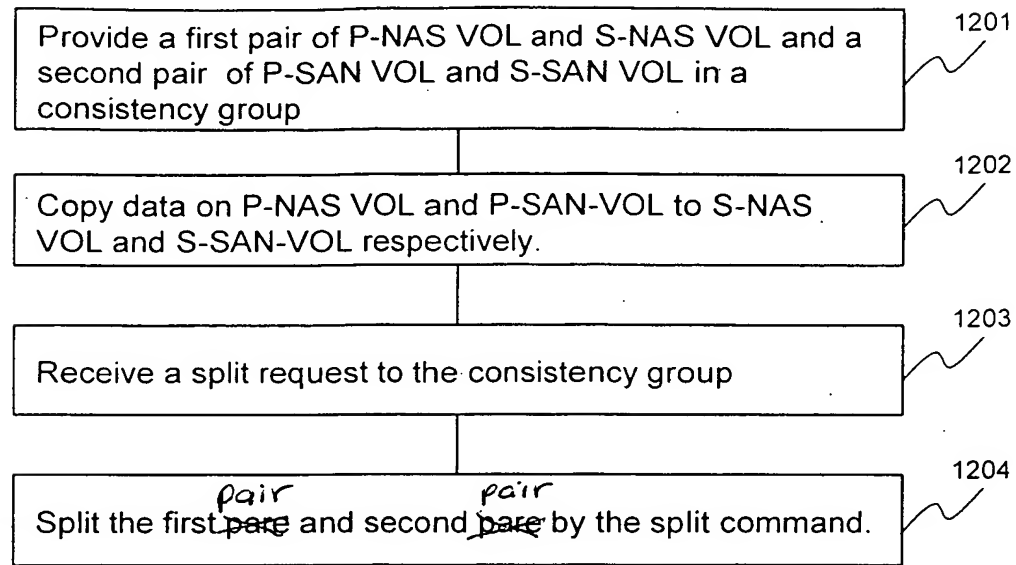


FIG. 12A

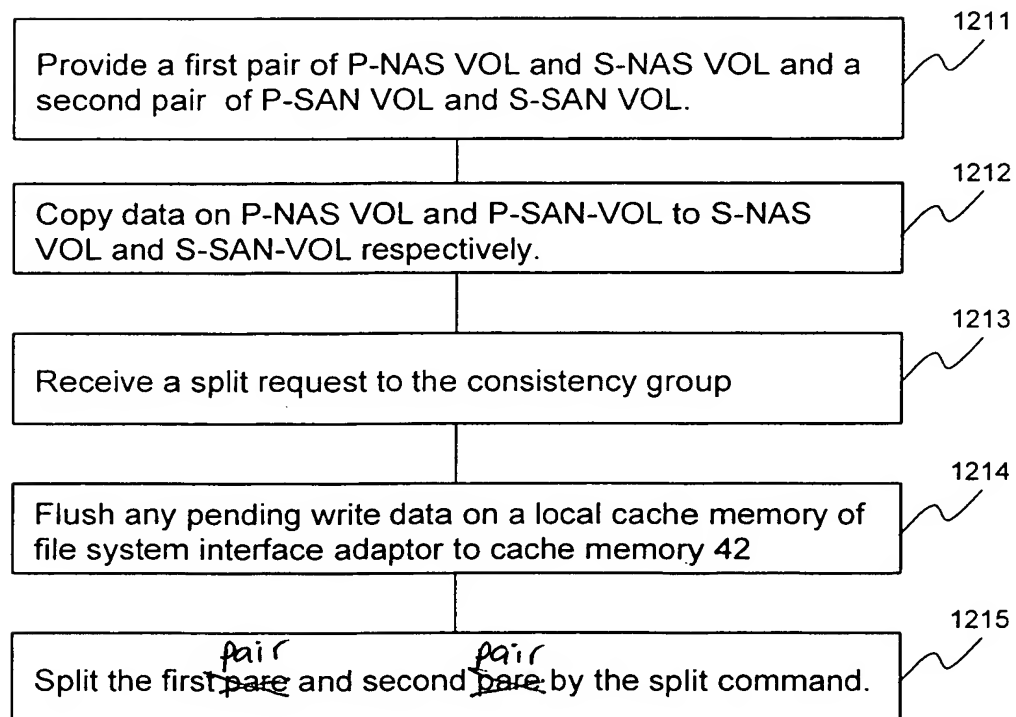


FIG. 12B